



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MM92/0703

VARDELL & VARDELL PLLC
SUITE 220
1150 SOUTH WASHINGTON STREET
ALEXANDRIA VA 22314

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/449,910	12/02/99	040	TA. T 2833	07/03/00
First Named Applicant	YU. 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION SAFETY STRUCTURE OF A THREE-HOLE SOCKET

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 VX992046	439-137.000	028	UTILITY	YES	\$605.00	10/03/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

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III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MM41/0706

VARNDELL & VARNDELL PLLC
SUITE 220
1150 SOUTH WASHINGTON STREET
ALEXANDRIA VA 22314

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/449,910	12/02/99	004	TA, T 2833	07/03/00
First Named Applicant	YU, TSUNG-I			

TITLE OF INVENTION SAFETY STRUCTURE OF A THREE-HOLE SOCKET

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 VX992046	439-137.000	080	UTILITY	YES	\$605.00	10/03/00

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UNITED STATES DEPARTMENT OF COMMERCE
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Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Wm

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/449,910 12/02/99 YU

T VX992046

EXAMINER

MM92/0703

VARDELL & VARDELL PLLC
SUITE 220
1150 SOUTH WASHINGTON STREET
ALEXANDRIA VA 22314

ART UNIT

PAPER NUMBER

2833
DATE MAILED:

4/B

07/03/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Notice of Allowability

Application No.

09/449,910

Examiner

Tho D. Ta

Applicant(s)

YU, TSUNG-I

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

1. ☒ This communication is responsive to filing date 12/02/99 and interview summary (paper no. 3).
2. ☒ The allowed claim(s) is/are 1-3 and 5.
3. ☐ The drawings filed on _____ are acceptable.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some* c) ☐ None of the CERTIFIED copies of the priority documents have been
1. ☐ received.
2. ☐ received in Application No. (Series Code / Serial Number) _____.
3. ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

5. ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

A SHORTENED STATUTORY PERIOD FOR REPLY to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office Action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be available under the provisions of 37 CFR 1.136(a).

6. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7. ☒ Applicant MUST submit NEW FORMAL DRAWINGS
- (a) ☐ because the originally filed drawings were declared by applicant to be informal.
- (b) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review(PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No. _____.
- (c) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the examiner.
- (d) ☒ including changes required by the attached Examiner's Amendment / Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

8. ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

- 1 ☒ Notice of References Cited (PTO-892)
- 3 ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 5 ☐ Information Disclosure Statements (PTO-1449), Paper No. _____.
- 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 2 ☐ Notice of Informal Patent Application (PTO-152)
- 4 ☒ Interview Summary (PTO-413), Paper No. 3.
- 6 ☒ Examiner's Amendment/Comment
- 8 ☒ Examiner's Statement of Reasons for Allowance
- 9 ☐ Other

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. R. Eugene Varndell, Jr. on 06/30/00.

2. The application has been amended as follows:

1. (Amended) A safety structure [for] in a three-hole socket assembly, comprising : a canopy, an inner lid and a safety device, [whereof] a surface of the canopy [on the surface] is equipped with a ground [insert] hole, [and] a B plus [insert] hole[, plus] and a semi-circular neutral [insert] hole located independent of the ground hole and the B plus hole; the inner lid is [a member applied upon the socket conductor] located between conductors in the three-hole socket assembly and an inner wall of the canopy; [and] on the surface of the inner lid is provided with a ground passage hole, a B plus passage hole and a neutral passage hole, each corresponding with relevant hole provided on the surface of the canopy, characterized in that:

the safety device, comprising a left detent, a right detent and a spring, the safety device is structured such that the left detent[,] being a step member having a

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high step section and a low step section, [is flanged with] a pusher is provided on one side of the high [set] step section, the top of the pusher is formed into a [downgoing] first ramp, a strut is provided on [the top of] the other side of the high step section [just a strut], [the] a bottom surface of the high step section [opposite] is formed into a container channel, also a rectangular shoe is formed on one side of the bottom surface of the low step section of the left detent [is formed a rectanguloid shoe], the right detent is [executed to be] an L shape piece, a pusher is formed on a forward point of one side of the L shape piece, [thereof is formed a jutting pusher on] the top of [which] the pusher of the right detent is formed into [an inwardly inclined] a second ramp;

[to assemble,] the left detent and the right detent are assembled [united] together by overlap match, so that the right detent is positioned right into the container channel beneath the left detent, while the pusher on the right detent just circumvents the pusher on the left detent, so that the two pushers are brought abutted upon each other, to bring the first and the second ramps into a V shape configuration, [a] the spring seated [way] between both detents [once stretched] to push both detents apart, [will set] the safety device is installed on the inner lid of the socket assembly, with both detents[, left and right,] of the safety device in a spreadout position just covering up the ground passage hole and the B plus passage hole, and both pushers covering up the neutral passage hole in the meanwhile; the neutral insert hole on the canopy being located just above the midpoint of a straight line interconnecting both pushers, the ground [insert] hole

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and the B plus [insert] hole being located respectively above the [left] pusher of the left detent, the [right] pusher of the right detent, in perfect symmetry with the ground passage hole and B plus passage hole underneath, and that consummates a safety structure for a three-hole socket assembly advocated hereunder.

B1 ~~3/2~~ (Amended) The safety structure in a three-hole socket assembly according to Claim 1, [whereof] wherein a transverse groove is provided [way] between the neutral passage hole and [the] an interlink interconnecting the ground passage hole and the B plus passage hole[, on the inner lid[, and it's a transverse groove].

~~2/3~~ (Amended) The safety structure in a three-hole socket assembly according to Claim 1, [whereof on one side of the bottom of the low level section of the left detent is formed a rectanguloid] wherein the rectangular shoe of the low step section to be matched with [another rectanguloid] a rectangular shoe formed on the bottom surface of one side of the right detent by the intervention of [a] the spring seated in-between serving to push apart both detents.

[Cancel claim 4.

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^{4/5} (Amended) The safety structure in a three-hole socket assembly according to Claim ³~~2~~, [whereof on one side of the bottom of the low level section of the left detent is formed a rectanguloid] wherein the rectangular shoe of the low step section to be matched with [another rectanguloid] a rectangular shoe formed on the bottom surface of one side of the right detent by the intervention of [a] the spring seated in-between serving to push apart both detents.

3. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: **reference number 3 must be shown in the drawing; any portions of the drawings in section and made of an insulative material must be crosshatched accordingly; reference number 31 adjacent reference number 313 in fig. 2 must change to 312.** In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

4. The following is an examiner's statement of reasons for allowance: the prior art of record fails to provide or suggest the structure of the safety device having a left and right detents, the left detent being a step member and the right detent being an L shape, wherein the left and right detents are assembled together by overlap match so that the pusher of the left detent and the pusher of the right detent are brought abutted upon each other, to bring the ramp of the pusher of the left detent and the ramp of the pusher of the right detent into a V shape configuration.

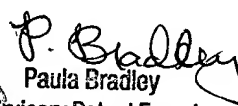
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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho D. Ta whose telephone number is (703) 308-0800. The examiner can normally be reached on M-F (8:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.


Paula Bradley
Supervisory Patent Examiner
Technology Center 2300

tdt
June 30, 2000

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